

We claim:

1. A topical composition comprising:
  - a) between about 0.00001% and about 0.5% w/w of at least one rigin-based tetrapeptide and about 0.00001% and about 1.0% w/w of at least one GHK-tripeptide; and
  - b) at least one additional ingredient.
2. The topical composition of claim 1, wherein said tetrapeptide and said tripeptide are present in a ratio of from about 50:1 to about 1:50.
3. The topical composition of claim 2, wherein said tetrapeptide and said tripeptide are present in a ratio of from about 10:1 to about 1:10.
4. The topical composition of claim 1, wherein said tripeptide is present in an amount that is greater than the amount of said tetrapeptide by % w/w.
5. The topical composition of claim 1, wherein at least one of said tripeptide and said tetrapeptide is an acyl derivative.
6. The topical composition of claim 5, wherein said tripeptide and said tetrapeptide are acyl derivatives.
7. The topical composition as in any of claims 5 or 6 wherein said tetrapeptide is N-palmitoyl-Gly-Gln-Pro-Arg (SEQ ID NO: 3).
8. The topical composition as in any of claims 5 or 6 wherein said tripeptide is N-palmitoyl-Gly-His-Lys.
9. The topical composition as in any of claims 1, 2, 4, 5, or 6, wherein said additional ingredient is suitable for application to keratinous tissue when incorporated into said composition without undue toxicity, incompatibility, instability, or allergic response.

10. The topical composition of claim 9, wherein said at least one additional ingredient is a cleaning agent, hair conditioning agent, skin conditioning agent, hair styling agent, antidandruff agent, hair growth promoter, perfume, sunscreen, sunblock, pigment, moisturizer, film former, hair color, make-up agent, detergent, pharmaceutical, thickening agent, emulsifier, humectant, emollient, antiseptic agent, deodorant active, dermatologically acceptable carrier, surfactant, abrasive, absorbent, fragrance, coloring/colorant, essential oil, skin sensate, astringent, anti-acne agent, anti-caking agent, antifoaming agent, antimicrobial, antioxidant, binder, biological additive, enzyme, enzyme inhibitor, enzyme activator, coenzyme, botanical extract, ceramide, addition peptide, buffering agent, bulking agent, chelating agent, cosmetic biocide, denaturant drug astringent, external analgesic, polymer, quat, substantivity increasing agent, opacifying agent, pH adjuster, propellant, reducing agent, sequestrant, skin bleaching and/or lightening agent, skin-conditioning agent, skin soothing and/or healing agent, aloe vera, pantothenic acid and derivative thereof, allantoin, bisabolol, dipotassium glycyrrhizinate, skin treating agent, thickener, vitamin and derivative thereof.

11. The composition of claim 10 further comprising a plurality of additional ingredients and wherein at least one of said additional ingredients is a dermatologically acceptable carrier.

12. The topical composition of claim 10 further comprising the additional ingredients rutin and Bowman Birk Inhibitor and a dermatologically acceptable carrier.

13. The topical composition of claim 10 further comprising the additional ingredients berberine or chrysine and a chelating agent and a dermatologically acceptable carrier.

14. A composition comprising: a mixture of at least one rigin-based tetrapeptide, at least one GHK-tripeptide, and at least one additional ingredient, said mixture exhibiting collagen I synthesis when applied to skin cells above that exhibited by controls.

15. The topical composition of claim 14, wherein said tetrapeptide and said tripeptide are present in a ratio of from about 100:1 to about 1:100.

16. The topical composition of claim 15, wherein said tetrapeptide and said tripeptide are present in a ratio of from about 50:1 to about 1:50.

17. The topical composition of claim 14, wherein said tripeptide is present in an amount that is greater than the amount of said tetrapeptide by %w/w.

18. The topical composition of claim 14, wherein at least one of said tripeptide and said tetrapeptide is an acyl derivative.

19. The topical composition of claim 18 wherein said tetrapeptide is N-palmitoyl-Gly-Gln-Pro-Arg (SEQ ID NO: 3) and said tripeptide is N-palmitoyl-Gly-His-Lys.

20. The topical composition of claim 14, wherein said at least one additional ingredient is a cleaning agent, hair conditioning agent, skin conditioning agent, hair styling agent, antidandruff agent, hair growth promoter, perfume, sunscreen, sunblock, pigment, moisturizer, film former, hair color, make-up agent, detergent, pharmaceutical, thickening agent, emulsifier, humectant, emollient, antiseptic agent, deodorant active, dermatologically acceptable carrier, surfactant, abrasive, absorbent, fragrance, coloring/colorant, essential oil, skin sensate, astringent, anti-acne agent, anti-caking agent, antifoaming agent, antimicrobial, antioxidant, binder, biological additive, enzyme, enzyme inhibitor, enzyme activator, coenzyme, botanical extract,

ceramide, addition peptide, buffering agent, bulking agent, chelating agent, cosmetic biocide, denaturant drug astringent, external analgesic, polymer, quat, substantivity increasing agent, opacifying agent, pH adjuster, propellant, reducing agent, sequestrant, skin bleaching and/or lightening agent, skin-conditioning agent, skin soothing and/or healing agent, aloe vera, pantothenic acid and derivative thereof, allantoin, bisabolol, dipotassium glycyrrhizinate, skin treating agent, thickener, vitamin and derivative thereof.

21. The composition of claim 18 wherein said acyl group is bound to the N-terminal end of at least one amino acid and is a straight-chain or branched-chain, long or short chain, saturated or unsaturated, substituted with one or more hydroxyl, amino, acyl amino, sulfate or sulfide groups or may be unsubstituted, and which can be derived from acetic acid, biotinic acid, capric acid, lauric acid, myristic acid, octanoic acid, palmitic acid, stearic acid, behenic acid, linoleic acid, linolenic acid, lipoic acid, oleic acid, isostearic acid, elaidic acid, 2-ethylhexanoic acid, coconut oil fatty acid, tallow fatty acid, hardened tallow fatty acid, palm kernel oil fatty acid, lanolin fatty acid or mixtures thereof.

22. The composition of claim 21 wherein said acyl group is an acetyl group, palmitoyl group, elaidoyl group, myristyl group, biotinyl group or octanoyl group.

23. A cosmetic composition comprising:

a) between about 0.00001% and about 5.0%w/w of at least one ALAMCAT-tetrapeptide and between about 0.00001% and 10.0%w/w of at least one His-based tripeptide; and

b) at least one additional ingredient.

24. The topical composition of claim 23, wherein said tetrapeptide and said tripeptide are present in a ratio of from about 50:1 to about 1:50.

25. The topical composition of claim 24, wherein said tripeptide is present in an amount that is greater than the amount of said tetrapeptide by %w/w.

26. The topical composition of claim 23, wherein at least one of said tripeptide and said tetrapeptide is an acyl derivative.

27. The topical composition as in any of claims 23 or 26 wherein said tetrapeptide is N-palmitoyl-Gly-Gln-Pro-Arg (SEQ ID NO: 3) and said tripeptide is N-palmitoyl-Gly-His-Lys.

28. The topical composition of claim 23, wherein said additional ingredient is suitable for application to keratinous tissue when incorporated into said composition without undue toxicity, incompatibility, instability, or allergic response.

29. The topical composition as in any of claims 25 or 27, wherein said at least one additional ingredient is cleaning agent, hair conditioning agent, skin conditioning agent, hair styling agent, antidandruff agent, hair growth promoter, perfume, sunscreen, sunblock, pigment, moisturizer, film former, hair color, make-up agent, detergent, pharmaceutical, thickening agent, emulsifier, humectant, emollient, antiseptic agent, deodorant active, dermatologically acceptable carrier, surfactant, abrasive, absorbent, fragrance, coloring/colorant, essential oil, skin sensate, astringent, anti-acne agent, anti-caking agent, antifoaming agent, antimicrobial, antioxidant, binder, biological additive, enzyme, enzyme inhibitor, enzyme activator, coenzyme, botanical extract, ceramide, addition peptide, buffering agent, bulking agent, chelating agent, cosmetic biocide, denaturant drug astringent, external analgesic, polymer, quat, substantivity increasing agent, opacifying agent, pH adjuster, propellant, reducing agent, sequestrant, skin bleaching and/or lightening agent, skin-

conditioning agent, skin soothing and/or healing agent, aloe vera, pantothenic acid and derivative thereof, allantoin, bisabolol, dipotassium glycyrrhizinate, skin treating agent, thickener, vitamin and derivative thereof.

30. The topical composition as in claim 29, wherein the additional ingredients are rutin and Bowman Birk Inhibitor and a dermatologically acceptable carrier.

31. The topical composition as in claim 29, wherein the additional ingredients are berberine or chrysine and a chelating agent and a dermatologically acceptable carrier.

32. A method of reducing the visible signs of aging comprising: applying to skin in need of such treatment the composition of claim 1 to a portion of human skin showing signs of aging at least once a day for a period of time at least sufficient to provide a reduction in the visible signs of aging of that portion of human skin.

33. A method of reducing the visible signs of aging comprising: applying to skin in need of such treatment the composition of claim 14 to a portion of human skin showing signs of aging at least once a day for a period of time at least sufficient to provide a reduction in the visible signs of aging of that portion of human skin.

34. A method of reducing the visible signs of aging comprising: applying to skin in need of such treatment the composition of claim 23 to a portion of human skin showing signs of aging at least once a day for a period of time at least sufficient to provide a reduction in the visible signs of aging of that portion of human skin.

35. A method of reducing stretch marks comprising: applying to skin in need of such treatment the composition of claim 12 to a portion of human skin showing stretch marks at least once a day for a period of time at least sufficient to

provide a reduction in the visible signs of stretch marks of that portion of human skin.

36. A method of reducing stretch marks comprising: applying to skin in need of such treatment the composition of claim 23 to a portion of human skin showing stretch marks at least once a day for a period of time at least sufficient to provide a reduction in the visible signs of stretch marks of that portion of human skin.

37. A method of reducing stretch marks comprising: applying to skin in need of such treatment the composition of claim 30 to a portion of human skin showing stretch marks at least once a day for a period of time at least sufficient to provide a reduction in the visible signs of stretch marks of that portion of human skin.

38. A method of reducing dark circles under the eyes comprising: applying to skin in need of such treatment the composition of claim 13 to a portion of human skin showing dark circles under the eyes at least once a day for a period of time at least sufficient to provide a reduction in the visible dark circles of that portion of human skin.

39. A method of reducing dark circles under the eyes comprising: applying to skin in need of such treatment the composition of claim 23 to a portion of human skin showing dark circles under the eyes at least once a day for a period of time at least sufficient to provide a reduction in the visible dark circles of that portion of human skin.

40. A method of reducing dark circles under the eyes comprising: applying to skin in need of such treatment the composition of claim 31 to a portion of human skin showing dark circles under the eyes at least once a day for a period of time at least sufficient to provide a reduction in the visible dark circles of that portion of human skin.